

### ABSTRACT

A media detection system includes a sensor and a flag. The flag is pivotally supported proximate to a media path through which media is moved. The flag pivots as media is moved through the media path such that the flag interacts with the sensor to cause the sensor to alternate between two states and to produce at least four signals representing positioning of the media along the path. The flag is configured to remain substantially in one angular position for a portion of time while the medium is moving and in contact with the flag.